

Device for generating a magnetic field designed to  
catalyse physical-chemical reactions

## ABSTRACT

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A device for generating a magnetic field moving in  
at least one field plane located in a fluid to be treated  
and in which the gradient of the vector product between  
the intensity of the magnetic field and its displacement  
10 velocity induces stereochemical deformations of the  
molecules of the treated fluid, which may be a limestone  
water or a fuel. Each field plane may have a first  
magnetic field generator such as a pair of coils (10,  
10') and a second magnetic field generator such as a pair  
15 of coils (12, 12') forming an angle  $\theta$  with the first  
generator, both being disposed at the periphery of the  
pipe (20) through which the fluid to be treated is  
flowing. At least one of the two field generators  
generates a magnetic field whose amplitude is variable  
20 over time so that the resultant is a magnetic field  
moving in the field plane having a variable amplitude and  
a direction moving at an angular velocity such as to  
obtain the highest possible gradient of the vector  
product.

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FIGURE 1.